

IN THE CLAIMS

Claims 1 through 16 (Canceled).

Add new claims 17 through 27.

17. (New) An aircraft fuselage, having a fuselage structure, comprising:
an exterior skin which is designed to be part of the structural elements that are components of the mechanical strength bracing of the fuselage and help absorb its forces and is made of materials designed to be resistant to shear, and incorporated as a bearing element into the mechanical strength bracing to absorb and transfer the forces and torques acting thereupon, wherein the exterior skin is realized by a semi-finished material combining a non-metallic material and a metallic material, such that the exterior skin is a hybrid material capable of being molded and joined by further processing, wherein the exterior skin comprises a non-metallic material having fibers selected from the group of fibers consisting of carbon fibers, glass fibers, ceramic fibers, and combinations thereof and a metal material selected from the group of metal materials consisting of an aluminum, a titanium, an aluminum alloy, a titanium alloy, and combinations thereof, wherein the nonmetallic material and the metal material are coated by a resin layer or imbedded in a resin.
18. (New) The aircraft fuselage of claim 17, wherein the exterior skin includes a sandwich design, adhesively bonding a composite material and the metal material in layers, such that the sandwich design yields a burn-through resistant exterior skin during exposure to flames from a fire.
19. (New) The aircraft fuselage of claim 18, wherein the composite material is a non-metallic material having fibers selected from the group of fibers consisting of carbon fibers, glass fibers, ceramic fibers, silicate fibers and combinations thereof.

20. (New) The aircraft fuselage of claim 19, wherein a material combination comprised of the various non-metallic materials is taken into account when manufacturing the exterior skin.

21. (New) The aircraft fuselage of claim 17, wherein the non-metallic material includes plastics reinforced with glass or plastic fibers.

22. (New) The aircraft fuselage of claim 17, wherein the metal material is made of titanium or of a titanium alloy.

23. (New) The aircraft fuselage of claim 18, wherein the composite material is of a GFK or CFK material and the metal material is of an alumunum, an aluminum alloy, a titanium, a titanium alloy, or combinations thereof.

24. (New) The aircraft fuselage of claim 18, wherein the composite material is a heatproof composite material, exhibiting a temperature resistance and tensile strength when exposed to high temperatures during a.

25. (New) The aircraft fuselage of claim 24, wherein the heatproof composite material includes carbon fibers coated with material from a nitride or carbide bond, and a metal or ceramic material, into which the coated carbon fibers are imbedded.

26. (New) The aircraft fuselage of claim 18, wherein the sandwich design is realized using a glare material, having a high burn-through behavior.

27. (New) The aircraft fuselage of claim 17, wherein an outer surface of the exterior skin exposed to weathering is joined with a plate-like planking the planking being comprised of a non-metallic material, a fireproof metallic material, or a combination material, the

combination material being comprised of a non-metallic material and a metal material, such that the planking is capable of being molded and joined by further processing.

28. (New) The aircraft fuselage of claim 27, wherein the planking is formed such that the planking is protective against burn through and adjusted to an outer contour of the exterior skin.

29. (New) The aircraft fuselage of claim 28, wherein the planking is realized using a glare material.

30. (New) The aircraft fuselage of claim 29, wherein the exterior skin comprises(2) an aluminum or an aluminum alloy joined to the planking.